

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v38)**

1. Expand the following expression into standard form.

$$(2x + 9)(6x + 7)$$

2. Solve the equation.

$$(4x - 9)(5x + 2) = 0$$

3. Expand the following expression into standard form.

$$(3x + 2)(3x - 2)$$

4. Expand the following expression into standard form.

$$(5x - 3)^2$$

5. Factor the expression.

$$x^2 + 7x + 12$$

6. Factor the expression.

$$16x^2 - 81$$

7. Solve the equation with factoring by grouping.

$$20x^2 - 24x + 15x - 18 = 0$$

8. Solve the equation.

$$5x^2 + 12x + 8 = 2x^2 + 5x + 4$$